

Sequence Listing Summary

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4. DPRP2 DNA sequence
5. DPRP-3 a.a. sequence
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11. DPRP-1 transcript 2 a.a. sequence
12. DPRP-1 transcript 2 DNA sequence
- 15 13. DPRP-1 transcript 3 a.a. sequence
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17. DPRP-1 transcript 5 a.a. sequence
- 20 18. DPRP-1 transcript 5 DNA sequence
19. DPRP-1 transcript 6 a.a. sequence
20. DPRP-1 transcript 6 DNA sequence
21. DPRP-1 transcript 7 a.a. sequence
22. DPRP-1 transcript 7 DNA sequence
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29. DPRP-2 transcript 3 a.a. sequence
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31. DPRP-2 transcript 4 a.a. sequence
32. DPRP-2 transcript 4 DNA sequence

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45. DPRP1 forward primer used for cloning
46. DPRP1 reverse primer used for cloning full length gene
15 47. DPRP1 reverse primer used for cloning fusion gene
48. DPRP1 forward primer used for expression profiling
49. DPRP1 reverse primer used for expression profiling
50. DPRP2 forward primer used for cloning
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59. DPRP1 peptide antigen sequences
60. DPRP2 peptide antigen sequences
61. DPRP3 peptide antigen sequences

SEQUENCE LISTING

<110> Qi, Steve

Akinsanya, Karen

Riviere, Pierre

Junien, Jean-Louis

<120> NOVEL SERINE PROTEASE GENES RELATED TO DPPIV

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<150> US 60/240,117

<151> 2000-10-12

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<170> Patent In version 3.1

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<213> Homo sapiens

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His Asp Phe Met Phe Val Lys Arg Asn Asp Pro Asp Gly Pro His Ser
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 Asp Asp Val Met Glu Arg Gln Arg Leu Ile Glu Ser Val Pro Asp Ser
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 Pro Ala Ala Arg Phe Gln Val Gln Lys His Ser Trp Asp Gly Leu Arg
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 Ser Ile Ile His Gly Ser Arg Lys Tyr Ser Gly Leu Ile Val Asn Lys
 65 70 75 80
 Ala Pro His Asp Phe Gln Phe Val Gln Lys Thr Asp Glu Ser Gly Pro
 85 90 95
 His Ser His Arg Leu Tyr Tyr Leu Gly Met Pro Tyr Gly Ser Arg Glu
 100 105 110
 Asn Ser Leu Leu Tyr Ser Glu Ile Pro Lys Lys Val Arg Lys Glu Ala
 115 120 125
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 Pro His His Gly Val Tyr Ser Arg Glu Glu Glu Leu Leu Arg Glu Arg
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 Lys Arg Leu Gly Val Phe Gly Ile Thr Ser Tyr Asp Phe His Ser Glu
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 Ser Gly Leu Phe Leu Phe Gln Ala Ser Asn Ser Leu Phe His Cys Arg
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 Asp Gly Gly Lys Asn Gly Phe Met Val Ser Pro Met Lys Pro Leu Glu
 195 200 205

Ile Lys Thr Gln Cys Ser Gly Pro Arg Met Asp Pro Lys Ile Cys Pro
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 Gly Leu Ser Asn Val Leu Asp Asp Pro Lys Ser Ala Gly Val Ala Thr
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 Phe Val Ile Gln Glu Glu Phe Asp Arg Phe Thr Gly Tyr Trp Trp Cys
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 Lys Arg Leu Gly Val Phe Gly Ile Thr Ser Tyr Asp Phe His Ser Glu
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 Asp Gly Gly Lys Asn Gly Phe Met Val Ser Pro Met Lys Pro Leu Glu
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 Ile Lys Thr Gln Cys Ser Gly Pro Arg Met Asp Pro Lys Ile Cys Pro
 210 215 220
 Ala Asp Pro Ala Phe Phe Ser Phe Ile Asn Asn Ser Asp Leu Trp Val
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 260 265 270
 Phe Val Ile Gln Glu Glu Phe Asp Arg Phe Thr Gly Tyr Trp Trp Cys
 275 280 285
 Pro Thr Ala Ser Trp Glu Gly Ser Glu Gly Leu Lys Thr Leu Arg Ile
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<211> 2411

<212> DNA

<213> Homo sapiens

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Ala	Asn	Ile	Glu	Thr	Gly	Glu	Glu	Arg	Arg	Leu	Thr	Phe	Cys	His	Gln
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 <400> 37

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Thr	Gly	Thr	Pro	Thr	Ala	Asp	Arg	Gly	Asp	Ala	Ala	Ala	Thr	Asp	Asp
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Pro	Ala	Ala	Arg	Phe	Gln	Val	Gln	Lys	His	Ser	Trp	Asp	Gly	Leu	Arg
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Ser	Ile	Ile	His	Gly	Ser	Arg	Lys	Tyr	Ser	Gly	Leu	Ile	Val	Asn	Lys
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Ala	Pro	His	Asp	Phe	Gln	Phe	Val	Gln	Lys	Thr	Asp	Glu	Ser	Gly	Pro
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His	Ser	His	Arg	Leu	Tyr	Tyr	Leu	Gly	Met	Pro	Tyr	Gly	Ser	Arg	Glu
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Asn	Ser	Leu	Leu	Tyr	Ser	Glu	Ile	Pro	Lys	Lys	Val	Arg	Lys	Glu	Ala
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Leu	Leu	Leu	Leu	Ser	Trp	Lys	Gln	Met	Leu	Asp	His	Phe	Gln	Ala	Thr
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Pro	His	His	Gly	Val	Tyr	Ser	Arg	Glu	Glu	Glu	Leu	Leu	Arg	Glu	Arg
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Lys	Arg	Leu	Gly	Val	Phe	Gly	Ile	Thr	Ser	Tyr	Asp	Phe	His	Ser	Glu
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Ser	Gly	Leu	Phe	Leu	Phe	Gln	Ala	Ser	Asn	Ser	Leu	Phe	His	Cys	Arg
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Thr	Gly	Thr	Pro	Thr	Ala	Asp	Arg	Gly	Asp	Ala	Ala	Ala	Thr	Asp	Asp
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Pro	Ala	Ala	Arg	Phe	Gln	Val	Gln	Lys	His	Ser	Trp	Asp	Gly	Leu	Arg
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Ser	Ile	Ile	His	Gly	Ser	Arg	Lys	Tyr	Ser	Gly	Leu	Ile	Val	Asn	Lys
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Ala	Pro	His	Asp	Phe	Gln	Phe	Val	Gln	Lys	Thr	Asp	Glu	Ser	Gly	Pro
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His	Ser	His	Arg	Leu	Tyr	Tyr	Leu	Gly	Met	Pro	Tyr	Gly	Ser	Arg	Glu
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Asn	Ser	Leu	Leu	Tyr	Ser	Glu	Ile	Pro	Lys	Lys	Val	Arg	Lys	Glu	Ala
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Leu	Leu	Leu	Leu	Ser	Trp	Lys	Gln	Met	Leu	Asp	His	Phe	Gln	Ala	Thr
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Pro	His	His	Gly	Val	Tyr	Ser	Arg	Glu	Glu	Glu	Leu	Leu	Arg	Glu	Arg
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Lys	Arg	Leu	Gly	Val	Phe	Gly	Ile	Thr	Ser	Tyr	Asp	Phe	His	Ser	Glu
					165			170			175				
Ser	Gly	Leu	Phe	Leu	Phe	Gln	Ala	Ser	Asn	Ser	Leu	Phe	His	Cys	Arg
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TOP SECRET//~~REF ID: A650~~

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 Ala Asn Ile Glu Thr Gly Glu Glu Arg Arg Leu Thr Phe Cys His Gln
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 Gly Leu Ser Asn Val Leu Asp Asp Pro Lys Ser Ala Gly Val Ala Thr
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 Pro Thr Ala Ser Trp Glu Gly Ser Glu Gly Leu Lys Thr Leu Arg Ile
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 Ser Pro Ala Leu Glu Glu Arg Lys Thr Asp Ser Tyr Arg Tyr Pro Arg
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 Pro Arg Asn Val Gln Pro Tyr Val Val Tyr Glu Glu Val Thr Asn Val
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 Trp Ile Asn Val His Asp Ile Phe Tyr Pro Phe Pro Gln Ser Glu Gly
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 Cys His Leu Tyr Lys Val Thr Ala Val Leu Lys Ser Gln Gly Tyr Asp
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 Leu Ser Gly Pro Asp Asp Asp Pro Leu His Lys Gln Pro Arg Phe Trp
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 Glu Ile Phe His Phe His Thr Arg Ser Asp Val Arg Leu Tyr Gly Met
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 Ile Tyr Lys Pro His Ala Leu Gln Pro Gly Lys Lys His Pro Thr Val
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Leu Phe Val Tyr Gly Gly Pro Gln Val Gln Leu Val Asn Asn Ser Phe
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 Lys Gly Ile Lys Tyr Leu Arg Leu Asn Thr Leu Ala Ser Leu Gly Tyr
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Pro Arg Phe Thr Gly Ala Leu Tyr Pro Lys Gly Lys Gln Tyr Pro Tyr
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Pro Lys Ala Gly Gln Val Asn Pro Thr Ile Lys Leu Tyr Val Val Asn
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Leu Tyr Gly Pro Thr His Thr Leu Glu Leu Met Pro Pro Asp Ser Phe
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Lys Ser Arg Glu Tyr Tyr Ile Thr Met Val Lys Trp Val Ser Asn Thr
225 230 235 240
Lys Thr Val Val Arg Trp Leu Asn Arg Pro Gln Asn Ile Ser Ile Leu
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Arg Gly Glu Phe His His Ile Ala Met Phe Leu Ile Gln Ser Lys Ser
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Gly Leu Leu Asn Arg Gln Cys Ile Ser Cys Asn Phe Met Lys Glu Gln
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405 410 415
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420 425 430
Glu Ala Ile Leu Lys Lys Ile Gly Lys Pro Glu Ile Lys Ile Leu
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His Ile Asp Asp Tyr Glu Leu Pro Leu Gln Leu Ser Leu Pro Lys Asp
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Phe Met Asp Arg Asn Gln Tyr Ala Leu Leu Ile Met Asp Glu Glu
465 470 475 480
Pro Gly Gly Gln Leu Val Thr Asp Lys Phe His Ile Asp Trp Asp Ser
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Gly Tyr Gly Gly Tyr Ile Ala Ser Met Ile Leu Lys Ser Asp Glu Lys
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 Val Asn Tyr Thr Met Gln Val Tyr Pro Asp Glu Gly His Asn Val Ser
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